


ACKNOWLEDGEMENT RECEIPT

Electronic Version

Stylesheet Version v01

Title of Invention	ECHO CANCELLATION DEVICE FOR FULL DUPLEX COMMUNICATION SYSTEMS																																																																																																						
Submission Type :	Utility Patent Filing																																																																																																						
Application Number:	10/709935																																																																																																						
EFS ID:	62183																																																																																																						
Server Response:	<table border="1"> <thead> <tr> <th>Confirmation Code</th> <th>Message</th> </tr> </thead> <tbody> <tr> <td>ISVR1</td> <td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td> </tr> <tr> <td>ICON1</td> <td>3934</td> </tr> <tr> <td>USPTOEFSNot</td> <td>For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: http://www.uspto.gov/ebc/</td> </tr> </tbody> </table>			Confirmation Code	Message	ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application	ICON1	3934	USPTOEFSNot	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: http://www.uspto.gov/ebc/																																																																																												
Confirmation Code	Message																																																																																																						
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application																																																																																																						
ICON1	3934																																																																																																						
USPTOEFSNot	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: http://www.uspto.gov/ebc/																																																																																																						
First Named Applicant:	Chen-Chih Huang																																																																																																						
Attorney Docket Number:	REAP0023USA																																																																																																						
Timestamp:	2004-06-07 22:28:33 EDT																																																																																																						
From:	us																																																																																																						
File Listing:	<table border="1"> <thead> <tr> <th>Doc. Name</th> <th>File Name</th> <th>Size (Bytes)</th> <th>Date Produced (yyyymmdd)</th> </tr> </thead> <tbody> <tr><td>us-assignment</td><td>REAP0023-usasn.xml</td><td>1813</td><td>2004-06-07</td></tr> <tr><td>us-assignment</td><td>us-assignment.xml</td><td>8983</td><td>2004-06-07</td></tr> <tr><td>us-assignment</td><td>us-assignment.dtd</td><td>10898</td><td>2004-06-07</td></tr> <tr><td>us-assignment</td><td>REAP0023ASS1.tif</td><td>35016</td><td>2004-06-07</td></tr> <tr><td>us-assignment</td><td>REAP0023ASS2.tif</td><td>67286</td><td>2004-06-07</td></tr> <tr><td>us-request</td><td>REAP0023-usrequ.xml</td><td>2242</td><td>2004-06-07</td></tr> <tr><td>us-request</td><td>us-request.dtd</td><td>19064</td><td>2004-06-07</td></tr> <tr><td>us-request</td><td>us-request.xml</td><td>33300</td><td>2004-06-07</td></tr> <tr><td>us-declaration</td><td>REAP0023-usdecl.xml</td><td>847</td><td>2004-06-07</td></tr> <tr><td>us-declaration</td><td>us-declaration.dtd</td><td>3833</td><td>2004-06-07</td></tr> <tr><td>us-declaration</td><td>us-declaration.xml</td><td>10015</td><td>2004-06-07</td></tr> <tr><td>us-fee-sheet</td><td>REAP0023-usfees.xml</td><td>2006</td><td>2004-06-07</td></tr> <tr><td>us-fee-sheet</td><td>us-fee-sheet.xml</td><td>24912</td><td>2004-06-07</td></tr> <tr><td>us-fee-sheet</td><td>us-fee-sheet.dtd</td><td>11069</td><td>2004-06-07</td></tr> <tr><td>us-ids</td><td>REAP0023-usidst.xml</td><td>720</td><td>2004-06-07</td></tr> <tr><td>us-ids</td><td>us-ids.dtd</td><td>7763</td><td>2004-06-07</td></tr> <tr><td>us-ids</td><td>us-ids.xml</td><td>12026</td><td>2004-06-07</td></tr> <tr><td>us-power-of-attorney-grant</td><td>REAP0023-uspoat.xml</td><td>969</td><td>2004-06-07</td></tr> <tr><td>us-power-of-attorney-grant</td><td>us-power-of-attorney-grant.dtd</td><td>4923</td><td>2004-06-07</td></tr> <tr><td>us-power-of-attorney-grant</td><td>us-power-of-attorney-grant.xml</td><td>12448</td><td>2004-06-07</td></tr> <tr><td>us-declaration</td><td>REAP0023DEC1.tif</td><td>98666</td><td>2004-06-07</td></tr> <tr><td>us-power-of-attorney-grant</td><td>REAP0023DEC2.tif</td><td>46572</td><td>2004-06-07</td></tr> <tr><td>application-body</td><td>REAP0023-trans.xml</td><td>19648</td><td>2004-06-07</td></tr> <tr><td>application-body</td><td>us-application-body.xml</td><td>83497</td><td>2004-06-07</td></tr> </tbody> </table>			Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)	us-assignment	REAP0023-usasn.xml	1813	2004-06-07	us-assignment	us-assignment.xml	8983	2004-06-07	us-assignment	us-assignment.dtd	10898	2004-06-07	us-assignment	REAP0023ASS1.tif	35016	2004-06-07	us-assignment	REAP0023ASS2.tif	67286	2004-06-07	us-request	REAP0023-usrequ.xml	2242	2004-06-07	us-request	us-request.dtd	19064	2004-06-07	us-request	us-request.xml	33300	2004-06-07	us-declaration	REAP0023-usdecl.xml	847	2004-06-07	us-declaration	us-declaration.dtd	3833	2004-06-07	us-declaration	us-declaration.xml	10015	2004-06-07	us-fee-sheet	REAP0023-usfees.xml	2006	2004-06-07	us-fee-sheet	us-fee-sheet.xml	24912	2004-06-07	us-fee-sheet	us-fee-sheet.dtd	11069	2004-06-07	us-ids	REAP0023-usidst.xml	720	2004-06-07	us-ids	us-ids.dtd	7763	2004-06-07	us-ids	us-ids.xml	12026	2004-06-07	us-power-of-attorney-grant	REAP0023-uspoat.xml	969	2004-06-07	us-power-of-attorney-grant	us-power-of-attorney-grant.dtd	4923	2004-06-07	us-power-of-attorney-grant	us-power-of-attorney-grant.xml	12448	2004-06-07	us-declaration	REAP0023DEC1.tif	98666	2004-06-07	us-power-of-attorney-grant	REAP0023DEC2.tif	46572	2004-06-07	application-body	REAP0023-trans.xml	19648	2004-06-07	application-body	us-application-body.xml	83497	2004-06-07
Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)																																																																																																				
us-assignment	REAP0023-usasn.xml	1813	2004-06-07																																																																																																				
us-assignment	us-assignment.xml	8983	2004-06-07																																																																																																				
us-assignment	us-assignment.dtd	10898	2004-06-07																																																																																																				
us-assignment	REAP0023ASS1.tif	35016	2004-06-07																																																																																																				
us-assignment	REAP0023ASS2.tif	67286	2004-06-07																																																																																																				
us-request	REAP0023-usrequ.xml	2242	2004-06-07																																																																																																				
us-request	us-request.dtd	19064	2004-06-07																																																																																																				
us-request	us-request.xml	33300	2004-06-07																																																																																																				
us-declaration	REAP0023-usdecl.xml	847	2004-06-07																																																																																																				
us-declaration	us-declaration.dtd	3833	2004-06-07																																																																																																				
us-declaration	us-declaration.xml	10015	2004-06-07																																																																																																				
us-fee-sheet	REAP0023-usfees.xml	2006	2004-06-07																																																																																																				
us-fee-sheet	us-fee-sheet.xml	24912	2004-06-07																																																																																																				
us-fee-sheet	us-fee-sheet.dtd	11069	2004-06-07																																																																																																				
us-ids	REAP0023-usidst.xml	720	2004-06-07																																																																																																				
us-ids	us-ids.dtd	7763	2004-06-07																																																																																																				
us-ids	us-ids.xml	12026	2004-06-07																																																																																																				
us-power-of-attorney-grant	REAP0023-uspoat.xml	969	2004-06-07																																																																																																				
us-power-of-attorney-grant	us-power-of-attorney-grant.dtd	4923	2004-06-07																																																																																																				
us-power-of-attorney-grant	us-power-of-attorney-grant.xml	12448	2004-06-07																																																																																																				
us-declaration	REAP0023DEC1.tif	98666	2004-06-07																																																																																																				
us-power-of-attorney-grant	REAP0023DEC2.tif	46572	2004-06-07																																																																																																				
application-body	REAP0023-trans.xml	19648	2004-06-07																																																																																																				
application-body	us-application-body.xml	83497	2004-06-07																																																																																																				

Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)
application-body	application-body.dtd	49498	2004-06-07
application-body	wipo.ent	4956	2004-06-07
application-body	mathml2.dtd	54588	2004-06-07
application-body	mathml2-qname-1.mod	13225	2004-06-07
application-body	isoamsa.ent	5191	2004-06-07
application-body	isoamsb.ent	3988	2004-06-07
application-body	isoamsc.ent	1460	2004-06-07
application-body	isoamsn.ent	5620	2004-06-07
application-body	isoamso.ent	1934	2004-06-07
application-body	isoamsr.ent	7073	2004-06-07
application-body	isogr3.ent	3559	2004-06-07
application-body	isomfrk.ent	4553	2004-06-07
application-body	isomopf.ent	2571	2004-06-07
application-body	isomscr.ent	4628	2004-06-07
application-body	isotech.ent	5268	2004-06-07
application-body	isobox.ent	3568	2004-06-07
application-body	isocyr1.ent	5345	2004-06-07
application-body	isocyr2.ent	2504	2004-06-07
application-body	isodia.ent	1508	2004-06-07
application-body	isolat1.ent	5282	2004-06-07
application-body	isolat2.ent	9007	2004-06-07
application-body	isonum.ent	5913	2004-06-07
application-body	isopub.ent	6621	2004-06-07
application-body	mmlextra.ent	7901	2004-06-07
application-body	mmalias.ent	38209	2004-06-07
application-body	soextblx.dtd	12870	2004-06-07
application-body	image1.tif	892	2004-06-07
application-body	image2.tif	586	2004-06-07
application-body	image3.tif	518	2004-06-07
application-body	image4.tif	500	2004-06-07
application-body	image5.tif	866	2004-06-07
application-body	reap0023usa-01.tif	6646	2004-06-07
application-body	reap0023usa-02.tif	4576	2004-06-07
application-body	reap0023usa-03.tif	5380	2004-06-07
application-body	reap0023usa-04.tif	7676	2004-06-07
application-body	reap0023usa-05.tif	4634	2004-06-07
application-body	reap0023usa-06.tif	4460	2004-06-07
application-body	reap0023usa-07.tif	8784	2004-06-07
package-data	REAP0023-pkda.xml	10966	2004-06-07
package-data	package-data.dtd	27025	2004-06-07
package-data	us-package-data.xsl	19263	2004-06-07
Total files size		888128	

Message Digest:

818b1f1818bcf2e3677818c4cb17c06943cb484b

Digital Certificate Holder
Name:

cn=Winston Hsu,ou=Registered
Attorneys,ou=Patent and
Trademark
Office,ou=Department of
Commerce,o=U.S.
Government,c=US